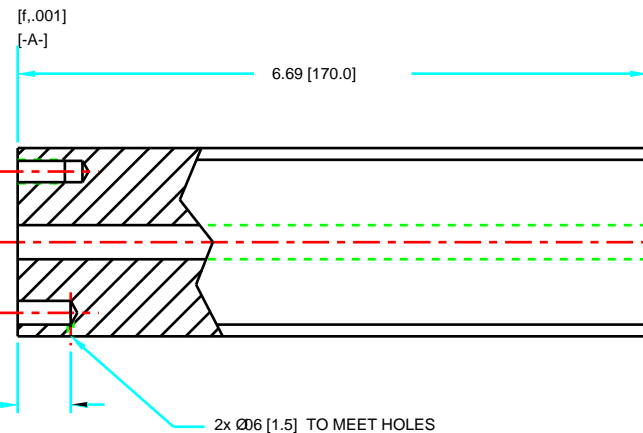
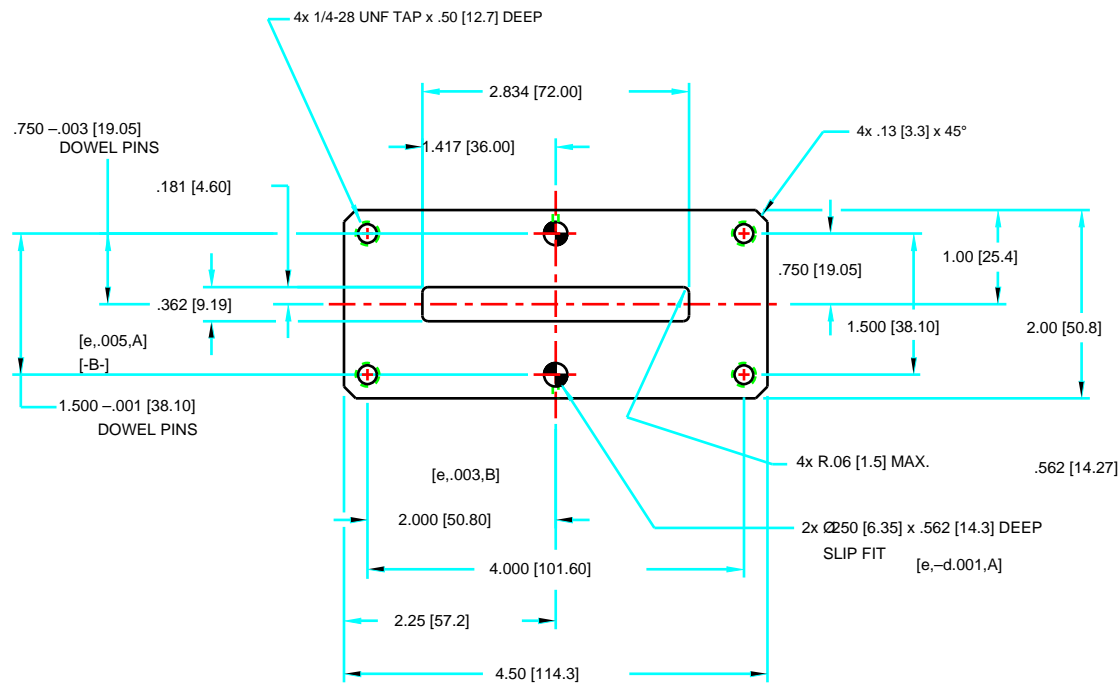


(C)

PLOT SCALE: 1=1

DWG. SCALE: 1



NOTES:

- THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
- WHEN MACHINING VACUUM PARTS, USE SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
A) CIMCOOL 5 STAR 49
B) TRIM SOL
- ALL SURFACES MUST BE MACHINED FOR CLEAN UP
- TUNGSTEN ALLOY OF 95% TUNGSTEN OR MORE WITH REMAINDER OF NICKEL AND IRON MIL-T-21014D, CLASS3, UHV GRADE
- FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
- CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1 X 10⁻⁹ TORR CAN BE ACHIEVED
- HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
- BREAK ALL SHARP CORNERS 0.03
- DIMENSIONS IN [] ARE MILLIMETERS AND ARE FOR REF. ONLY
- SURFACE ROUGHNESS 63

REF. SOURCE:

KULITE TUNGSTEN CORP.
160 EAST UNION AVENUE
EAST RUTHERFORD, NJ 07073
TEL.:201-438-9000
FAX:201-438-0891

MITEK METALS INC.
1340 NORTH SENATE AVENUE
INDIANAPOLIS, IN 46202
TEL.:317-637-3574
FAX:317-633-7224

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR X - .03 [7620] .XX - .01 [0.25] .XXX - .005 [0.127] SURFACE ROUGHNESS 125 ✓ REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5				
LOG NUMBER A2420700		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DRAWN BY E. TORRES-STERLING	DATE 3/18/96	CHIEF DESIGN ENGINEER D. SHU	DATE 4/1/96	TITLE ADVANCED PHOTON SOURCE
CHECKED BY J. CHANG	DATE 3/22/96	GP LEADER T.M. KUZAY	DATE 4/2/96	
DESIGNER CHANG/TORRES	DATE 3/18/96	PROJECT MGR.		
RESPONSIBLE ENGINEER J. CHANG	DATE 3/22/96	APPROVED/RELEASED		
MATERIAL TUNGSTEN		SCALE 1:1 SHEET 1 of 1		
DRAWING NUMBER P4105090404-210102-00				